



Sandblast Slags
 Foundry Sands
 Empire Blast Equipment
 Bullard Safety Equipment
 Sandblast Hose & Nozzles
 Walnut Shells & Corn Cob Grit
 Waterjet & Sandblast Garnet
 Schmidt Blast Equipment
 Silica Free Abrasives
 Steel Shot & Grit
 Aluminum Oxide
 Glass Beads

TECHNICAL DATA SHEET

#80 Brown Fused Virgin Aluminum Oxide
 (Country of Origin, China)

Typical Screen Analysis to FEPA Standards 2006
 ANSI B74.12-2012, Table 3

<u>CONTROL SIEVE #</u>	<u>U.S. SIEVE EQUIVALENT</u>	<u>SIEVE OPENING SIZE IN MICRONS</u>	<u>% RETAINED</u>
1	45 Mesh	.355 mm	0% retained
2	70 Mesh	.212 mm	35% max retained
3	80 Mesh	.180 mm	30% min. retained
4	80 & 100 Mesh	.180 mm & .150 mm	60% min. cumulative retained
5	140 Mesh	.106 mm	5% max. passing

TYPICAL CHEMICAL ANALYSIS

Aluminum Oxide (Al ₂ O ₃)	95.50%
Titanium Oxide (TiO ₂)	2.60%
Iron Oxide (Fe ₂ O ₃)	0.15%
Silicon Oxide * (SiO ₂)	0.70%
Ferrosilicon (FeSi)	0.015%

*Contains no free (crystalline) silica. The SiO₂ is in bond with other elements

Moh Hardness	9.00
Knoop (100) Hardness	2040
Bulk Density	1.62 – 1.76 g/cm ³
Specific Gravity (H ₂ O=1)	3.85 – 3.95

ANSI: American National Standards Institute
FEPA: Federation of European Producers of Abrasives

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